

HORVAT, Vinko, dipl. inz.

1964. Conference on Power Engineering. 14 Special Session.  
Lausanne. See also Hrv 13 no.7/8:254-259 '64.

HORVAT, Vinko, dipl. inz.

Rheinsch-Westfalisches Elektrizitatwerk A.G. (R W E), Essen.  
Energija Hrv 13 no. 1/2:49-52 '64.

HORVAT, V.; BERITIG, T.

Symptoms in duodenal rupture. Liječn. vjesn. 83 no.8:807-811 '61.  
(DUODENUM wds & inj)

TAKACS, Lajos, az orvostudományok kandidátusa; SZABO, Maria, Technikai munkatárs;  
HORVAT, Vera; TATAR, Erika

Comparative studies on the glycogen content and hydrolytic glycogen degradation in striated muscles, heart and uterus in hypoxic states (shock, exsiccosis, arterial hypoxia). Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 8 no.4:353-363 1957.

1. A Budapesti Orvostudományi Egyetem III. sz. Belklinika és Orvosgyógytani Intézete.

(GLYCOGEN, metab.

eff. of arterial hypoxia, dehydration & shock on content & hydrolysis in striated musc., heart & uterus of exper. animals (Hun))

(MUSCLES, metab.

glycogen, eff. of arterial hypoxia, dehydration & shock on content & hydrolysis in exper. animals (Hun))

(MYOCARDIUM, metab.

same)

(UTERUS, metab.

same)

(ANOXIA, exper.

eff. of arterial hypoxia on glycogen content & hydrolysis in striated musc., heart & uterus of exper. animals (Hun))

HOKVAT

HROVAT, Vilibald, Major d-r

Differential diagnosis of subarachnoid hemorrhages. Voj.san.pregl.,  
Beogr. 12 no.3-4:156-160 Mar-Apr 55.

1. Zarazno odeljenje VMA.  
(~~CEREBRAL~~ CEREBRAL HEMORRHAGE, differential diagnosis,  
subarachnoid hemorrh.)

*Harvard V.*  
MAVER, Hubert; HORVAT, Vladimir

Determination of physical fitness of infantry troops with  
Harvard step test. Voj. san. pregl., Beogr. 14 no.4:183-  
187 Apr 57.

1. Higijensko-epidemioloski odred Zagrebacke vojne oblasti-Institut  
za medicinska istrasivanja Jugoslovenske akademije znanosti i  
umjetnosti.

(PHYSICAL EFFICIENCY, determ.

Harvard step test in determ. of phys. fitness in Yugosl.  
infantry troops (Ser))

(ARMED FORCES PERSONNEL,

phys. fitness of Yugosl. infantry troops, determ. with  
Harvard step test (Ser))

DEANOVIC, Z.; HORVAT, V.

Practical value of certain field physical fitness tests. Arch.  
hig. rada 10 no.1:31-42 '59.

1. Kabinet za psihofiziologiju rada Vojne bolnice, Zagreb; Institut  
za medicinska istrazivanja, Zagreb.  
(PHYSICAL FITNESS)

HORVAT, Z

HORVAT, Z. Textile schools and their problems. p. 490

Vol. 4, No. 5, May 1955

TEKSTIL

TECHNOLOGY

Zagreb

So: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (FEAL), Vol. 4, No. 9,  
Sept. 1955

HORVAT, Z.

The work of agencies for the control of materials. p. 374.  
(Tekstil, Vol. 6, No. 4, Apr. 1957, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

RADOSEVIC, Zdenko, dr.; RADONIC, Milovan, dr.; HORVAT, Zvonimir, dr.

Clinical observations on "endemic nephropathy" in Croatia. Lijec.  
vjes. 81 no.7-8:445-456 '59.

1. Iz Interne klinike Medicinskog fakulteta u Zagrebu.  
(NEPHRITIS epidemiol.)

HORVAT, Z.; PRAZIC, B.

Infanticide. Neuropsihijatrija 9 no.4:329-334 '61.

1. Iz ~~Neurološko-psihijatrijskog~~ odjela Opće bolnice dra M. Stojanovica u Zagrebu (Sef odjela: dr Vladimir Hudolin)

(INFANTICIDE)

HORVAT, Zvonimir

Syncops. Liječn. vjesn. 84 no.4:351-357 '62.

1. Iz Interne klinike Medicinskog fakulteta u Zagrebu.

(SYNCOPE)

HORVAT, Zvonko R., dipl. inz.

Technology of chemical cleaning and washing. Pt.2. Tekstil  
Zagreb 13 no.11:992-995 N '65.

1. Consultant, Jugoinspekt Enterprise, Zagreb.

YUGOSLAVIA

HORVAT, Dr Zvonimir, Internal Medicine Clinic (Interna Klinika),  
Faculty of Medicine (Medicinski Fakultet), Zagreb.

"The Significance of Cells with Mobile Cytoplasmic Granules in the  
Urine of Patients Suffering from Kidney Diseases."

Zagreb, Lijecknicki Vjesnik, Vol 85, No 6, 1963, pp 603-609.

Abstract: [Author's English summary modified] Analysis of the urine  
of 115 patients disclosed findings of cells with mobile cytoplasmic  
granules in 29 cases. There were 23 cases of pyelonephritis, one  
case of nephrosclerosis, and one case of renal calculosis. The  
author discusses the diagnostic significance of his findings.

Eight Western references,

tables and illustration.

1/1

HORVAT, Zvonimir, dr.

Rapid latex fixation test— its diagnostic value in rheumatoid arthritis. Liječn. vjesn. 86 no.10:1215-1221 0 '64.

1. Iz Interne klinike Medicinskog fakulteta u Zagrebu.



HORVAT, Zvonko, dipl. inz.

Technology of chemical cleaning and washing. Pt. 1. Tekstil Zagreb  
13 no.10:913-914 0 '64.

HOWARD, Frank E., et al., eds.

Methods and Means. Tekstil 4a reb 13 no.12:1974-1975 D '62.

1. Consultant, Jugospekt Enterprise, Zagreb.

KRSTIC, Stanko; HORVAT-LOVINCIC, Marija

Iodine in the treatment of pulmonary tuberculosis. Tuberkuloza,  
Beogr. 11 no.2:232-236 '59.  
(TUBERCULOSIS PULMONARY ther.)  
(IODINE ther.)

VAMOS, Laszlo, dr.; HORVATH, dr.

Oscillometric examination in skin diseases. V. Current status and the extent of Speranski's theory on neurodystrophy. Borgyogy. vener. szemle 36 no.6:270-273 D '60.

1. A X. Bor- es Nemibeteggonozo Intezet (veseto-foorvos: Vamos Laszlo dr.) kozlemenye.

(DERMATOLOGY diag)

(NEUROLOGY)

(OSCILLOMETRY)

HORVATH, A. (Bratislava)

The photoelasticimeter FP. Jemna mech opt 7 no, 11:350-352 II '62.

SCHLESINGER, A., inz.; HORVATH, A.

Numbering construction drawing documentation. Jemna mech  
opt 8 no.5:154-156 My '63.

HORVATH, A.; HADNAGY, Cs.; SZOCS, G.; ÚRSACE, L.; ERDELYI, A.; LUKACSY, I.;  
HUSZAR, I.; ZSIGMONDOVICS, E.

Considerations on the relationships between body weight and  
cardiovascular diseases in diabetics. Studii cercet. endocr.  
16 no.2:181-185 '65.

ANTAL, Elemer, dr.; SOMFALVI, Bela, dr.; BIRO, Ferenc, dr.; HORVATH, Andor, dr.

On the etiology of congenital crus varum. Orv.hetil. 102 no.30:  
1410-1411 23 J1 '61.

1. Komloi Varosi Tanacs Korhaz es Nemibeteggyondozo Intezet.

LEG abnorm) (SYPHILIS CONGENITAL compl)

HUNGARY/Cultivated Plants - Fodders.

14.

Abs Jour : Ref Zhur - Biol., No 10, 1956, 44179

Author : Horvath, Alajos.

Inst : -

Title : Variety Composition of the Fodder Beet.

Orig Pub : Magyar mezogazd., 1957, 12, No 3, 15-16.

Abstract : A detailed characteristic and evaluation of the biological properties and economic aspects of 14 varieties including new ones at the Institute of Varieties Trials.

Card 1/1

BAKTAI, Maria; FEJES, Istvan; HORVATH, Andras

Examination of the annual rings of the Pinuxylon Tarnociensis  
(Tuzson) Greguss. Foldt kozl 94 no.3:393-396 J1-S '64.

ZIMANYI, Istvan, Dr.; HORVATH, Andras, Dr.

Thermoregulatory disturbances after poliomyelitis. Orv. hetil. 99 no.48:  
1671-1674 30 Nov 58.

1. A Budapesti V. T. Heine-Medin Utokozelo Korhazanak es Rendelointezeten-  
ek (Igazgato-foorvos: Lukacs dr.) kozlemenye.

(POLIOMYELITIS, physiol.

standard difference between axillary & rectal temperature  
in paralytic encephalospinal polio due to differential inj.  
of brain stem & mesencephalon (Hun))

(BODY TEMPERATURE

same)

(BRAIN STEM, physiol.

same)

(MESENCEPHALON, physiol.

same)

Among 314 children who survived an attack of paralytic poliomyelitis there were 19 whose  
rectal temperature exceeded their oral temperature by  $0.9^{\circ}$  -  $1.9^{\circ}$  C. Possible causes  
of this phenomenon are discussed on a theoretical basis and it is suggested that lesions  
of the midbrain and diencephalon were responsible.

HORVATH, Attila, dr.

Circumscribed necrosis of the wall of the cecum. Orv.hetil.  
101 no.9:317-318 F '60.

1. A Nephadsereg Egesszegugyi Szolgalata.  
(CECUM dis)

HORVATH, A.

Mollusks of the Horzsony Mountains. In German. P. 183.  
(ACTA BIOLOGICA. Vol. 2, no. 1/4, Dec. 1956, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.  
Uncl.

HORVATH, Andras, okleveles villamosmérnök; KOHLER, Gyula, okleveles gépészmérnök

Economic appraisal of metal-sheathed installations. Villamosag 12  
no.7:200-203 J1 '64.

1. Planning and Engineering Enterprise of Electric Power Plants,  
Budapest.

HORVATH, A.: ANTALFI, S.

Malacological study on the Upper Pleistocene layer in the southern part of the area between the Danube and the Tisza. p. 417. Vol 2, 1952. (published in 1954)  
A MAGYAR TUDOMÁNYEGYETEMEK BIOLOGIAI INTÉZETEINEK EVKÖTVE. SZEGEDI RÉSZ. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

HORVATH, A.

HORVATH, A. Anyos Jedlik's "electric potential batteries," forerunners  
of atom smashers. p. 531.

Vol. 114, No. 9, Sept. 1955

TUDOMÁSZAT ÉS TÁRSADALOM

SCIENCE

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

KOVACS, A., Conf.; HORVATH, A., Conf.; MODY, E., dr.; ~~KERKES~~, dr.;  
SZAKACS, B., dr.; BARAZS, M., dr.

Diagnostic value of electrophoretic methods in endocarditis.  
Med. int., Bucur. 8 no.3:452-459 July 56.

(ENDOCARDITIS, diagnosis  
electrophoresis, method & diag. value)  
(~~ELECTROPHORESIS~~  
diag. value in endocarditis)

HEPATIC H.

KELEMEN, L., Prof.; HORVATH, A., dr.; HADNAGY, Cs., dr.; ERDELYI, Ana, dr.;  
SZILAGYI, D., dr.; HARTZ, A., dr.

Ketonemia in acute hepatitis. Med. int., Bucur. 9 no.4:569-  
573 Apr 57.

1. Clinica de boli infectioase si Clinica medicala nr. 11 din Tg.  
Mures.

(HEPATITIS, blood in  
hyperketonemia, eff. of vitamin B 12)  
(VITAMIN B 12, ther. use  
hyperketonemia in hepatitis)  
(KETONE BODIES, in blood  
excess, in acute hepatitis)

RUMANIA/Human and Animal Physiology (Normal and Pathological)  
Metabolism. Vitamins.

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26380

Author : Hadnagy, Cs., Horvath, A., Gundisch, M., Feszt, T.,  
Kemeny, Gh.

Inst : -

Title : The Role of Vitamin B<sub>12</sub> in Intermediate Carbohydrate  
Metabolism.

Orig Pub : Fiziol. norm. si patol., 1958, 5, No 2, 143-148

Abstract : Patients (40 individuals with various diseases) were  
loaded twice with glucose (I) from a calculation of 1g/kg  
(second after 2-6 days). In repeated loading, 20-30 min  
prior to administration of I, 50-1050 gamma of vitamin  
B<sub>12</sub> was introduced subcutaneously. In cases of intole-  
rance to I (unsubduable vomiting of pregnant women, Addi-  
son's disease and others) B<sub>12</sub> normalized it, speeding up  
the deposition of I in the tissues, wich is explained by

Card 1/2

- 31 -

RUMANIA/Human and Animal Physiology (Normal and Pathological)  
Metabolism. Vitamins.

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26380

the authors as stimulation of the phosphorilization  
process by B<sub>12</sub>. It was determined in experiments on  
rats that B<sub>12</sub> stimulates the activity of alkaline and  
acid tissue phosphatases.

Card 2/2

HORVATH, Anna; JOBST, K.

The histochemistry of unsaturated lipids with reference to the adrenals.  
Acta morph. acad. sci. hung. 11 no.3:351-359 '62.

1. Institute of Pathological Anatomy (Director: Prof. Gy. Romhányi)  
Medical University, Pecs.  
(ADRENAL GLANDS) (LIPIDS)

PITTER, Pal; ARKOS, Frigyes; HORVATH, Antal; DOMONY, Andras, dr.;  
LEVARDI, Ferenc, dr.; SELMECI, Bela; FEKETE, Sandor; MARTOS,  
Ferenc, dr.; MACSAY, Jozsef, okleveles gepeszmernok;  
TARCZY-HORNOCH, Antal, dr., akademikus, egyetemi tanar;  
GAGYI PALFFY, Andras, dr.; KICSINDI, Janos, okleveles kohomernok;  
HEINRICH, Jozsef, okleveles banyamernok

The 1963 general meeting of the Hungarian Association for  
Mining and Metallurgy. Koh lap 96 no. 6:241-264 Je '63.

1. Chairman, Division of Iron Metallurgy, Hungarian  
Association for Mining and Metallurgy (for Pitter).
2. Editor-in-Chief, "Kohaszi Lapok" (for Arkos).
3. Secretary, Division of Metallurgy, Hungarian Association  
for Mining and Metallurgy (for Horvath).
4. Editorial  
board member, "Kohaszi Lapok" (for Domony).
5. President,  
Hungarian Association for Mining and Metallurgy (for Levardi).
6. Secretary General, Hungarian Association for Mining and  
Metallurgy (for Selmei).
7. Head, Auditing Commission,  
Hungarian Association for Mining and Metallurgy (for Fekete).
8. Head, Medal Commission, Hungarian Association for Mining  
and Metallurgy (for Martos).
9. Otd Metallurgical Works, Otd  
(for Macsay).
10. Esztergom Machine Tool Factory, Esztergom  
(for Kicsindi).

HORVATH, Arpad, dr.

A modified suture for prevention of diastasis of the rectus abdominis after laparotomy. Magy. noorv. lap. 17 no.4:244-245 July 54.

1. A Hodmezoovasarhelyi Varosi Tanacs Karhaza (Igaszago: Ormos Pal dr. erdemes orvos) szulo- es nobeteg osztalyanak (Forras: Horvath Arpad dr.) kozlemenye.

(LAPAROTOMY,

prev. of postop. diastasis of rectus abdominis by modified suture technic)

(ABDOMINAL WALL,

rectus abdominis, prev. of diastasis after laparotomy by modified suture technic)

HORVATH, Arpad, dr.

Chorionepithelioma after delivery. Orv. hetil. 46 no.30:835-837  
24 July 55.

1. A Hodmezovasarhelyi Varosi Tanacs korhaza (igazgato: Ormos  
Pal dr. erdemes orvos) Szulo- es Nobeteg Osztalya (foorvos:  
Horvath Arpad dr.)

(CHORIOCARCINOMA

uterus, after delivery, diag.)

(UTERUS, neoplasms

choriocarcinoma, after delivery, diag.)

HORVATH, A.; PAPP, C.; OLOSZ, E.; HORGÁ, M.; MAKSAI, I.; HUSZAR, I.

Statistical findings on excess weight. Correlations between  
body weight and frequency of arterial hypertension. Stud.  
cercet. endocr. 16 no.3:285-291 '65.

HORVATH, ALBERT

CATEGORY :  
 COUNTRY :  
 ABST. JOUR. : RZKrim., No. 20 1958, No. 7202/  
 AUTHOR : Horvath, A.; Nagy, K.; Takacs, P.; Vago, E.  
 INST. :  
 TITLE :  
 ORIG. PUB. : Nehazvegyipari Kutato Int. Kozl., 1958, 1, No 1-2, 75-84  
 ABSTRACT :  
 CARD: 1/2

CATEGORY :  
 ABST. JOUR. : RZKrim., No. 20 1958, No. 7202/  
 AUTHOR :  
 INST. :  
 TITLE :  
 ORIG. PUB. :  
 ABSTRACT :  
 CARD: 1/2

HORVATH A -

NADASY, Miklos; HCRVATH, Albert; TAKACS, Pal

Simultaneous preparation of germanium oxide and pyrocatechin from brown coal tar and generator tar as well as from generator gas liquor. Magyar kem lap 15 no.7:294-297 J1 '60.

1. Nehezvegyipari Kutato Intezet.

HORVATH, Albert (Veszprem)

Germanium content of flue dusts of the Hungarian power plants. Kem  
tud kozl MTA 16 no.1:129 '61.

1. Nehézvegyipari Kutató Intézet, Veszprem.

(Hungary--Power plants) (Dust) (Germanium)

*HB u-nich. Albert*

NADASHI, M. [Nadasy, Miklos] dr. (Veszprem, Wartha Vince u.1-3); UYKHIDI, A. [Ujhidy, Aurel] dr. (Veszprem, Vegyipari Egyetem); BABOSH, B. [Babos, Barnabas] (Veszprem, Vegyipari Egyetem); KHORVAT, A. [Horvath, Albert] (Veszprem, Wartha Vince u. 1-3)

Investigation of the production and decomposition of tar-water emulsion from the point of view of manufacturing technology.  
Acta chimica Hung 32 no.3:377-386 '62.

1. Nauchno-issledovatel'skiy institut osnovnoy khimicheskoy promyshlennosti, Veszprem i Veszpremskiy universitet, kafedra organicheskoy khimii.

HORVATH, Andor

Books on machine industry to be published in 1961. Gepgyartastechn 1  
no.1:22,25 Ap '61.

HORVATH, Anna

"Soviet court statistics" by S.S. Ostroumov. Reviewed by  
Anna Horvath. Stat szemle 41 no.1:105-106 Ja '63.

*HORVATH ARPAD*

Category : HUNGARY/Optics - Optical Technique

K-4

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 4889

Author : Horvath, Arpad

Title : The Jedlik Anyos Ruling Machine

Orig Pub : Termeszeti es tarsad., 1955, 114, No 3, 134-135

Abstract : Popular article concerning a machine used to produce diffraction gratings, made by the famous Hungarian physicist of the 19th century, Jedlik Anyos.

Card : 1/1

HORVATH, Arpad

The 350-year-old telescope. Fiz szemle 9 no.7:199-206 J1 '59.

HORVATH, Arpad

350 years of the microscope. Fiz szemle 11 no.7:200-207 J1 '61.

HORVATH, Arpad

Pictures from the history of the thermometer. Fiz szemle 12  
no.9:280-286 3 '62.

HORVATH, Arpad

Horror vacui. Fiz szemle 12 no. 1:16-25. Ja '62

SCHLESINGER, A., inz.; HORVATH, A.

Establishment of an engineering drawing documentation. Jemna mech  
opt 8 no.3:89-92 Mr '63.

HORVATH, Arpad

Anders Celcius, 1701-1744. Fiz szemle 14 no.11:339-343 N '64.

HORVATH, Attila, dr.

Plan for a magnetohydrodynamical power plant. Energia es atom  
17 no.4:176 Ap'64

HUNGARY

HORVATH, Attila, Dr; Health Service of the Hungarian People's Army  
(Magyar Nephadsereg Egeszsegugyi Szolgalata).

"Benign Tumor of the Papilla Vateri."

Budapest, Magyar Sebeszet, Vol XVI, No 3, June 1963, pages 171-174.

Abstract: The author reports the case of a patient with a mucous polyp of the papilla Vateri. In this connection, an extensive discussion of the prevailing theories concerning the surgery of these tumors is presented. Although many authors advocate a radical pancreaticoduodenectomy because of the precancerous nature of the tumors, since the mortality of this operation is very high, the authors stress that in cases where every symptom and histological finding points to the benign nature of the tumor, conservative surgery is indicated. All Western references.

1/1

APPROVED FOR RELEASE: 09/21/2001

HORVATH, Aurel, egyetemi docens

CIA-RDP86-00513R000618210006-7"

Application of thermodynamic functions in metallurgy. Pt.  
3. Koh lap 9 no. 4: 146-151 Ap '54.

HORVATH, Aurel, egyetemi docens

Application of thermodynamic functions in metallurgy. Pt. 2.  
Koh lap 9 no. 3: 109-114 Mr '54

MORVATH, Aurel

The iron and steel industry of France. Koh lap 96 no.9:417-  
426 S '63.

PROCESSING AND PROPERTY INDEX																									
1ST AND 2ND EDITIONS													3RD AND 4TH EDITIONS												
S HORVATH, A.																									
<p><b>The Deoxidation Properties of Vanadium.</b> A. Horvath. (Kohászati Lapok, 1951, vol. 6, Jan., pp. 20-24). (In Hungarian). The deoxidation properties of vanadium are dealt with on the basis of results of research work published by Chipman and by Samarin and Polyakov. The Russian experimental work was carried out in a 50-kg. high-frequency furnace. The charge consisted of scrap iron containing 0.03% C, 0.35% Mn, 0.023% S, 0.020% P, and traces of silicon. Ferro-silicon and ferrovanadium were added. Results are reported and compared with those of Chipman. Samarin and Polyakov conclude that: (1) If equal percentages of vanadium and silicon are present in the liquid steel, the latter will retard the oxidation of vanadium, which has its full oxidizing properties only if the silicon content drops below 0.1%; (2) In the fluid slag the vanadium is present in the form of <math>\text{FeO} \cdot \text{V}_2\text{O}_5</math>; at 1600, 1650, and 1700° C. vanadium has a lower deoxidizing effect than silicon at the same temperatures. — R. O.</p>																									
<p>ASM-5LA METALLURGICAL LITERATURE CLASSIFICATION</p> <p>10000 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26</p>																									

HUNG.

77 Application of thermodynamic functions in metallurgy -- A. Hucvath, *Chimická Listy*, Vol. 24, 1951, No. 11, pp. 1447-1451. Vol. 24, 1951, No. 12, pp. 1452-1453. Vol. 24, 1951, No. 13, pp. 1454-1455. Vol. 24, 1951, No. 14, pp. 1456-1457.

Thermodynamic functions can be employed not only from their classical derivation and application for solving practical problems as well. An thermodynamic functions may be traced to metal heat. If the equation expressing the relation of metal heat to temperature is known, the enthalpy and entropy functions for high temperature metallurgical processes may be solved mathematically. For this it is necessary to know the laws which govern, at high temperatures, the metal heat of the elements and compounds taking part in metallurgical processes. Similar mathematically formulated relationships may be found between the entropy of melting and the atomic numbers of several metals and non-metals. These equations may also be used to determine unknown entropy-of-melting values. By knowing the functions of enthalpy and entropy the function  $G_T = f(T)$  expressing the relationship between the standard free energy and the temperature, may be calculated by means of the generally valid equation  $G_T = H_T - TS_T$ . This function may be used to calculate the trend and the possibility of metallurgical processes. To simplify the mathematical requirements approximating functions may be introduced instead of the  $G_T = f(T)$  polynomial equations. The precision obtained by these equations is almost equal to that of the more complicated equations especially at the high temperatures occurring in metallurgical processes.

1-11-77 The Application of Chemical Waste Disposal  
to the Chemical Industry  
by John A. Miller  
1-11-77 The Application of Chemical Waste Disposal  
to the Chemical Industry  
by John A. Miller

BORVATH, A.

"Application of Thermodynamic Functions in Metallurgy", P. 290, (CHIMIEI  
LAPOK, Vol. 9, No. 7, July 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (FEAL), IC, Vol. 4, No. 3,  
March 1955, Uncl.

HCRVATH, A.

"Report by Janos Bocsaroczy, General Secretary, to the Committee Meeting of the Hungarian Mining and Metallurgical Society Held May 14, 1954", P. 007, (KCHASZATI LAPCK, Vol. 9, No. 7, July 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), IC, Vol. 4, No. 3, March 1955, Uncl.



Hungary /Chemical Technology. Chemical Products  
and Their Application

I-6

Mineral salts. Oxides. Acids. Bases.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31246

Author : Horvath Z., Wieder N., Horvath A.

Inst : Hungarian Academy of Sciences

Title : Reduction in Coal Gas of High-Iron and High-Silica Bauxite of Szoc (Hungary). Magnetic Separation of Red Mud Obtained by Bayer Method.

Orig Pub: Acta Techn. Acad. sci. hung., 1955, 11, No 3-4, 363-404

Abstract: In the method that is proposed, in lieu of drying of the bauxite, use is made of a reducing firing

Card 1/3

Hungary /Chemical Technology. Chemical Products  
and Their Application

I-6

Mineral salts. Oxides. Acids. Bases.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31246

with subsequent decomposition of the product by the method of Bayer. Separation of red mud from aluminate solution is effected in a magnetic field of varying intensity. The object of the study were bauxites containing (in %): 6.31  $\text{SiO}_2$  and 21.60  $\text{Fe}_2\text{O}_3$ , and having a modulus of 8.4. Optimal conditions of firing: maintaining at  $370^\circ$  for 3 hours. Advantages of this method are simplification of the process of red mud separation and also a high degree of utilization of  $\text{Fe}_2\text{O}_3$  and  $\text{Al}_2\text{O}_3$  contained in the bauxite. The strongly magnetic portion of the mud (amounting to 40-50% of its weight) containing 70-72%  $\text{Fe}_2\text{O}_3$ , can be utilized as raw material of blast furnace

Card 2/3

Hungary /Chemical Technology. Chemical Products  
and Their Application

I-6

Mineral salts. Oxides. Acids. Bases.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31246

smelting; from the low magnetic portion of the mud, containing (in %): 20-21  $\text{Al}_2\text{O}_3$  and about 6.5  $\text{Na}_2\text{O}$ , can be recovered, by means of a pyrogenic process, a considerable portion of these oxides. The proposed procedure permits a recovery (in %) of: 92.5  $\text{Al}_2\text{O}_3$  and 54  $\text{Fe}_2\text{O}_3$ .

Card 3/3

HORVATH, AUREL

Distr: 4E2c

✓  
2-5/6-50  
The reduction of titanium, vanadium, and tungsten oxides. Aurel Horvath, *Kémiai Lapok* 11 (89), 487-505(1956); *Chem. Zentr.* 129, 3827(1958); *cf. C.A.* 32, 19383b.—On the basis of the most recent thermodynamic data, calcs. are made of the initial temps. necessary for the redn. of the oxides of Ti, V, and W, as well as the optimum temps. for these redns. The thermodynamic potentials,  $\Delta GT$ , were calcd. for various temps. From these, it was possible to det. for each temp. where redn. would occur spontaneously, i.e., where the  $\Delta GT$  was neg. or, at least, less pos. than that of other substances present. The  $\Delta GT$  values of all Ti and V oxides are linear functions of temp.; their dissocn. does not occur at the highest temps. used in metallurgy, but only above their m.ps. The  $\Delta GT$ -temp. curve for W is not linear and redn. with CO begins at 1117°, although a temp. of 1975° is required for the redn. of  $TiO_2$ . The redn. affects the absorption of O by the metal. The affinity of the O dissolved in the metallic phase increases rapidly; various oxides of the metal can arise and the O can even become incorporated in the metal lattice. Ti can be reduced with Ca, because the equil. concn. of O in this case is only 0.7%.  
M. G. Moore

HORVATH, A.

Application of thermodynamic functions in metallurgy. Pt.5.(Conclusion).p.142.(Kohaszati  
Lapok. Budapest. Vol. 11, no. 4, Apr.1956.)

SO: Monthly List of East European Accessions (EEAL) LC., Vol. 6, no. 7, July 1957 Uncl.

HORVATH, A.

Contribution to the technique of metallothermal manufacturing of ferrotungsten.

p. 292. (AUTO-MOTOR) Vol. 10, no. 20, Nov. 1957  
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

HUNGARY/Physical Chemistry. Thermodynamics. Thermochemistry.  
Equilibrium. Phase Transitions. Physical Chemical  
Analysis.

B

Abs Jour: Ref Zhur-Khin., No 1, 1959, 410.

Author : Horvath A.

Inst : ~~Hungarian~~ Academy of Sciences.

Title : Calculation of the activity of Components in Binary  
Metal Solutions.

Orig Pub: Magyar tud. akad. Musz. tud. oszt. kozl., 1958, 22,  
No 1-3, 135-155.

Abstract: Thermodynamical characteristic for the ideal and  
true solutions is given, the method for calculating  
activity and plotting the activity curves on the  
basis of Gibbs - Dugen - Margulis' equation. Inte-  
gration of the values at finite concentration gave

Card : 1/4

HUNGARY/Physical Chemistry. Thermodynamics. Thermochemistry.  
Equilibrium. Phase Transitions. Physical Chemical  
Analysis.

Abs Jour: Ref Zhur-Khim., No 1, 1959, 410.

an indefinite value, thereby making it necessary to calculate the activity coefficient. It is shown that the equation used in that case can be modified in the following way:  $RT \ln \gamma_1 = 4.576 T \lg \gamma_1 = b x_2^2$  (I), where  $b$  is the coefficient  $x-a$ ; it is generalized for all types of solutions. It was proven that with its help one is able to determine the type of a solution, whereby a new separation principle of solutions into types is introduced, namely: ideal, strictly normal, correct, and true. For the ideal solutions in the equation (I),  $b = 0$ ; represented by a horizontal straight line, in a diagram  $\lg \gamma_1 = \phi(x_2^2)$ . The activity curves,

Card : 2/4

HUNGARY/Physical Chemistry. Thermodynamics. Thermochemistry.  
Equilibrium. Phase Transitions. Physical Chemical  
Analysis.

B

Abs Jour: Ref Zhur-Khim., No 1, 1959, 410.

$a = \varphi(x)$ , are straight lines with a 45 degree slope. For strictly correct solutions  $b = \text{constant}$ , the diagram  $\lg \delta / \varphi(x_2)$  appears as a sloping straight line, the activity curves are symmetrical. For correct solutions,  $b = \varphi(x_2)$ , the diagram  $\lg \delta / \varphi(x_2)$  represents a correct curve, the activity curves are asymmetrical. For true solutions the diagram appears as an incorrect curve. A series of systems is cited, which belong to different types of solutions. The actual instances are given for determination of solutions of the type, ( $\gamma$  Fe- $\gamma$  Ni, Ti-Sn, Cu-Au, Fe-FeS); on the activity

Card : 3/4

Abs Jour: Ref Zhur-Khim., No 1, 1959, 410.

APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618210006-7"  
data depending on concentration, one finds the type  
of curve and thus, the solution type. -- I. Krisztofori.

Card : 4/4

Distr: 4E3d

Thermodynamic calculation of the combustion temperature. Aurel Horvath. *Kohászati Lapok* 91, 91-8 (1958). Three methods are given for calcg. the attainable temp. in

furnaces: (1)  $\Delta Q = \int_{25}^T n C_p dT$ , where  $n$  is the number of

moles and  $C_p$  the mol. heat (capacity at const. pressure) of the combustion products (1), and  $\Delta Q$  is the heat required to raise their temp. from 25°. The combustion heat,  $\Delta H_{25} = -\Delta Q$ , based on the fact that the standard (298°K. and 1 atm.) enthalpy differential of reaction products is identical with the neg. reaction heat. This method makes it possible to calc. the max. temp. attainable under adiabatic conditions.

(2) This method takes into account the disocn. heats of I. Max. attainable temp. is that where  $\Delta H'_{25} + \Delta Q = 0$ .  $\Delta H'_{25}$  is calcd. by establishing the normal potential of the disocn.,  $\Delta G^\circ = -RT \ln K_p$ , where  $K_p$  is the disocn. const., detg. the degree of disocn. for the given temp., from the foregoing detg. the gas compn. at equil., the heat generated by the fuel actually burned,  $\Delta H'_{25}$ , and, by using the formula given for the 1st method, the heat required to raise the temp. of I. (3) An approx. method, suitable for solid fuels is as follows:  $t_{max} = [F + c + \lambda G(0.24 + 0.40v)/\Sigma G c_p] / \Sigma Q / \Sigma G c_p$ , where  $F$  is the kcal./kg. of the fuel,  $c$  is the sp. heat of the fuel (0.2 kcal./kg.),  $t$  is the temp. of the fuel,  $\lambda$  is the measure of air excess (1.1 for 10% excess),  $G$  is the theoretical amt. of air needed for 1 kg. fuel,  $v$  is the moisture content of the air (kg.),  $t_a$  is the temp. of the air,  $G_a$  is the quantity (in kg.) of the I. gases, and  $c_p$  is the mean sp. heat of I (kcal./kg.). This method does not take the disocn. heat into consideration.

L. G. Arrai

HORVATH, A.

Thermodynamic investigation of some reactions occurring at coking. p. 210.

KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet) Budapest, Hungary  
Vol. 14, no. 5, May 1959.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 8,  
August 1959.  
Uncla.

HORVATH, A.

Ivan Pavlovich Bardin is 75 years old. p. 274.

KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet) Budapest, Hungary  
Vol. 14, no. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

H/014/60/000/005/003/003  
E190/E435

AUTHORS: Horváth, Aurél and Ballá-Achs, Márta (Mrs.)

TITLE: Factors Affecting Diffusion and Their Role in  
Metallurgical Processes

PERIODICAL: Kohászati lapok, 1960, No.5, pp.217-221

TEXT: The basic laws of diffusion, the variation of diffusion coefficient with temperature, pressure, concentration and structure of the material, and the mechanism of diffusion of atoms in pure metals and alloys are discussed on a basic level and the application of principles is shown on the examples of scaling and on the solid-state reduction of metals by carbon. There are 8 figures and 2 non-Hungarian references.

✓

Card 1/1

HORVATH, Aurel

Training and further education of metallurgical engineers and technicians; the situation of young engineers and technicians.  
Koh lap 95 no.2:62-69 F '62.

HORVATH, P.

The next tasks of the trade-union of building industry. p. 5.  
(UJTTOK LAPJA. Vol. 9, no. 14, Aug. 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (HEAL) IC. Vol. 6, no. 12, Dec. 1957.  
Uncl.

HORVAT<sup>H</sup> B.

"Nutrition experiments with hogs."

Poljoprivredna Znanstvena Smotra 13 : 5-84, 1952

HORVATH, B.

Chemical Abstracts  
Vol. 48 No. 5  
Mar. 10, 1954  
Biological Chemistry

(3)  
Plant pigments having vitamin P activity and the frog heart. M. Gabor and B. Horvath (Univ. Szeged, Hung.). Arch. intern. pharmacodyn. 93: 68-77 (1953).--Hematoxylin and brazilin restore activity to the frog heart poisoned by various narcotics, lactic acid, quinine, acetylcholine, or Ca-depleted Ringer soln. M. L. C. B.

*HORVATH B.*

BULGARIA (Macedonia) / Farm Animals. Cattle.

Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7388

Author : Khorvat. B.

Inst : Not given

Title : The Effect of Nutrition upon Milk Production.

Orig Pub : Sots. zemjodelstvo, 1957, 9, No 7-8, 33-52

Abstract : The article deals with the expenditures of feeds and with the protein requirements for the production of 1 kg of milk, with the effect of the composition of feeds (for instance, fat), supplementary mineral feedings, vitamins, and the ingredients of rations upon the yield of milk.

Card 1/1

62

HORVATH, Bela (Budapest); VALI, Peter (Budapest)

Forum of innovators. Ujit lap 12 no.13:31 12 J1 '60.

GABOR, Miklos; HORVATH, Bertalan; KISS, Lajos

~~Study on the relationship of cardiac effect and chemical structure.~~  
Kiserletes orvostud. 8 no.2:113-120 March 56.

1. Szegedi Orvostudományi Egyetem Gyógyszertani és Korelettani  
Intézete.

(HEART, eff. of drugs on  
pyrone ring containing cpds., relation of cardiac  
eff. to chem. structure. (Hun))

SIMON, Miklos, Dr.; KURTHY, Laszlo, Dr.; ELADI, Pal a biologiai tudomanyok  
kandidatusa dr., SOOS, Sandor, Dr.; HORVATH, Bertalan, Dr.

Diagnostic significance of serum aldolase in liver diseases. Orv. hetil.  
99 no.35:1201-1207 31 Aug 58.

1. A Magyar Nephadsereg Egesszegugyi Szolgalatanak, a Budapesti Koz-  
egesszegugyi-Jarvanyugyi Allomas (igazgato: Kapos Vilmos dr.) Hepatitis  
Korhazanak (fo orvos: Kurthy Laszlo dr.) es a MTA Biokemiai Intezetének  
(igazgato: Szorenyi Imre dr. akademikus) kozlemenye.

(DESMOLASES, in blood

zymohexase in liver dis., diag. significance (Hun))

(LIVER DISEASES, blood in

zymohexase, diag. significance (Hun))

HORVATH, B.L.; FORNOSI, F.

Excretion of SV-40 virus after oral administration of contaminated polio vaccine. Acta microbiol. acad. sci. Hung. 11 no.3:271-275 '64/65

1. State Institute of Hygiene (Director: T. Bakacs), Budapest.

SZIRMAK, G.; HORVATH, B.

Hydargin therapy in late pregnancy toxemia, Magy. Noorv. lap. 14  
no.10:315-316 Oct 1951. (CIME 21:2)

1. Doctor. 2. Obstetrical-Gynecological Department (Head Physician --  
Dr. Kalman Lehoczky-Semmelweis), Kekgolyo-utcai State Hospital (Director  
-- Dr. Gabor Ferencs), Budapest.

GABOR, M.; HORVATH, B.; KISS, L.; DIRNER, Z.

Prolongation of the effect of adrenalin on isolated organs and in vivo by members of the hematoxylin group. Acta physiol. hung. 3 no.3-4: 585-590 1952.  
(CLML 24:5)

1. Of the Institute of Pharmacology of Szeged University.

HORVATH, B.

Case of ectopic decidua with symptoms of appendicitis; periappendicitis decidua. Orv. hetil. 94 no.41:1145-1146 11 Oct 1953. (GLML 25:5)

1. Doctor, Honored Physician. 2. District Council Hospital (Director  
→ Dr. Boldissar Horvath), Sarvar.

HORVATH, Boldizsar

SZIRMAK, Gabor, dr.; HORVATH, Boldizsar, dr.

~~Magyar Orvosi Hetilap~~  
Hydrgin treatment of toxicosis in late pregnancy. Magyar. noorv.  
lap. 17 no.5:257-264 Sept 54.

1. A volt budapesti kekgyoloutcai allami kornhaz, a Magyar  
Nephadsereg Egesszegugyi Szolgalatanak es a fovarosi bakacsteri  
allami kornhaz (Igazgato: Ferencz Gabor dr.) szulonobeteg osztal-  
yanak (Foorvos: Lehoczky-Semmelweis Kalman dr.) kozlemenye.

(PREGNANCY TOXEMIAS therapy

dihydrogenated ergot alkaloids)

(ERGOT ALKALOIDS, ther. use

dihydrogenated deriv. in pregn. toxemias)

HORVATH, Boldissar, dr.; SZASZ, Imre, dr.; GABOR, Imre, dr.

Orthopedic significance of habitual dislocation of the shoulder, with special regard to socket forming surgery. Magy. sebessz 9 no.1:19-28 Feb 56.

1. A Janos korhas (igazgato: Bakacs Tibor dr.), orthopaediai osztalyanak (feorvos: Horvath Boldissar dr.) kozlomenye.

(SHOULDER, disloc.

habitual, etiol. & surg. technics especially socket form. (Hun))

(DISLOCATIONS

shoulder, habitual, etiol. & surg. technics especially socket form. (Hun))

(ORTHOPEDICS, surg.

socket form. technics in disloc. of shoulder. (Hun))

HORVATH, Boldizsar, dr.

Formation of the cartilaginous tissues in the uterine mucosa. Magyar. orv. lap. 25 no.2:109-112 Mr '62.

1. A Budapest XX kerületi Tanács VB Szakorvosi Rendelőintézetének (igazgató: Galcsik Boldizsar dr.) közleménye.

(UTERUS pathol)

HORVATH, Boldizsar, dr.

The importance of extended legs in breech presentation during the delivery. Magy. noorv. lap. 26 no.3:180-183 My '63.

1. A Budapest XX. kerületi Tanács VB. Szakorvosi Rendelőintézetének közleménye (Igazgató: Galosik Boldizsar dr.).  
(LABOR PRESENTATION)

HORVATH, C.

Unilateral kidney diseases causing hypertension. Orv. hetil. 94 no.24:  
664-666 14 June 1953. (GLML 25:1)

1. Doctor. 2. Urology Clinic (Director -- Prof. Dr. Tivadar Huth, Candidate  
Medical Sciences), Pecs Medical University.

~~HORVATH, Cs.~~; KINCSES, J.

Renal function index, separated index and clearance study. Acta  
med. hung. Suppl. 6 no.1:25-30 1954.

1. Urologische Klinik der Medizinischen Universität, Pecs.  
(KIDNEYS FUNCTION TESTS  
methods)

HORVATH, Csaba, dr.; KINCSES, Jozsef, dr.

Molecular diuresis in chronic pyelonephritis. *Magy. sebészet*  
9 no.5:317-321 Oct 56.

1. Pécsi Orvostudományi Egyetem Urológiai Klinikájának közleménye  
Igazgató: Dr. Huth, Tivadar egyet. tanár.  
(PYELONEPHRITIS, physiol.  
renal clearance test with osmol (Hun))

HORVATH, Csaba

Section news. Koh lap 93 no.6: Suppl: Ontode 11 no.6:137 Je '60.

KINCSES, Jozsef, dr.; HORVATH, Csaba, dr.

Function test of a solitary kidney. Orv. hetil. 101 no.12:407-408 20 Mr '60.

1. Pecsí Orvostudományi Egyetem, Urológiai Klinika.  
(KIDNEY FUNCTION TESTS)  
(NEPHRECTOMY)

HORVATH, Csaba, okloteles kohosernok

Experiences in the determination of the gas content of nonferrous metals and their alloys. Koh lap 98 no.2:37-90 F '65.

1. Csapel Metalworks, Budapest.

CSABA, G.; KOROSI, J.; HORVATH, C.; MOLD, K.; ACS, Th.

Effect of heparin-bound alkylating agents and enzyme inhibitors  
on neoplastic growth. Neoplasma 11 no.2:137-144 '64

1. Institute of Histology and Embryology, Budapest Medical  
University; Research Laboratory of the United Works for  
Pharmaceutical and Dietetic Products, Budapest, Hungary.

CSABA, Gyorgy; ACS, Tamas; HORVATH, Cecilia

The reciprocal action between 2 tumor transplants. Kiserletes  
orvostud. 13 no.2:138-141 My '61.

1. Budapesti Orvostudományi Egyetem Szövet és Fejlődéstan Intézete.  
(NEOPLASMS exper.)